Designing Your Flagpole – Foundation Options

Installation methods available to securely and permanently mount the flagpole include Ground Set and Shoe Base options.

Ground Set

Ground Set installations are the strongest and most common form of flagpole installation. They require burial of the flagpole shaft in a concrete foundation to a depth equal to 10% of the mounting height.

All standard Flagpoles listed in this catalog are designed for Ground Set foundations. Each flagpole is shipped at 10% over listed Mounting Height. (See Page 10 for 25’ mounting height exception.)

NAAMM’s Metal Flagpole Manual offers basic suggestions on foundation measurements in firm, dry soil only using dry tamped sand and 3000 PSI concrete. Soil conditions vary by site. Exact foundation requirements should be verified by a Structural Engineer with knowledge of soil conditions in your locality.

Shoe Base

Shoe Base installations are typically used when an above ground installation is required. All 20’ to 80’ Flagpoles listed in this catalog with a 4”+ Butt Diameter can be provided in a Shoe Base Installation option. List price of a Shoe Base Flagpole can be obtained by adding the appropriate List Price Shoe Base Adder to the List Price of the flagpole. Contact Concord American Flagpole Customer Service for Wind Speed information for your particular design.

Designing Your Flagpole – Flagpole Height

The next consideration in choosing your flagpole design is to determine the mounting height. This can be specified solely on the required aesthetics of the particular job, or can be determined by the size of the flag wished to be flown.

The National Association of Architectural Metal Manufacturers (NAAMM) publishes the following criteria for determining the maximum flag size for each flagpole height.

Safety Note: Extreme care must be exercised when installing flagpoles near overhead power lines or when digging in the vicinity of buried utilities.

Caution: During installation, extreme care should be taken to insure that all components are securely attached.